

Title (en)
DISPLAY DEVICE AND HEAD-UP DISPLAY

Title (de)
ANZEIGEVORRICHTUNG UND HEAD-UP-ANZEIGE

Title (fr)
DISPOSITIF D'AFFICHAGE ET AFFICHAGE TÊTE HAUTE

Publication
EP 3415973 A4 20191030 (EN)

Application
EP 17750154 A 20170202

Priority
• JP 2016021665 A 20160208
• JP 2017003820 W 20170202

Abstract (en)
[origin: EP3415973A1] The present invention displays multiple images at different locations in the depth direction, while suppressing a decline in the resolution of each image, using projected light emitted from a single projector. A projector 20 emits first projection light L1 and first projection light L1 that have a first projection distance P1. The projection distance P of the second projection light L2 is shortened to a second projection distance P2 that is shorter than the initial first projection distance P1, by positioning a projection distance shortening unit 25 having a positive refractive power along the path of the second projection light L2 between the projector 20 and a second screen 24. Furthermore, no optical members having a negative refractive power are positioned along the optical path of the first projection light L1 from the projector 20 to a first screen 23 on the projector 20 side relative to the second screen 24.

IPC 8 full level
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Citation (search report)
• [A] WO 2013051376 A1 20130411 - NIPPON SEIKI CO LTD [JP], et al
• [A] US 2006071877 A1 20060406 - KANAMORI NAOHITO [JP], et al
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• See references of WO 2017138430A1

Designated contracting state (EPC)
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